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(54) Title: NOVEL TYLOINDICINES AND RELATED PROCESSES, PHARMACEUTICAL COMPOSITIONS AND METHODS

(57) Abstract: The invention provides novel tyloindicines analogues and related processes, pharmaceutical compositions, and methods. The novel tyloindicines are useful in a wide variety of antiviral, antineoplastic, antibacterial, and anti-inflammatory applications. Preferred embodiments of the instant invention include the novel tyloindicine designated herein as compound IT-3 (NSC-716802). Compounds of the instant invention have exhibited potent antiviral and anticancer activity *in vitro*. The invention further provides novel methods of treating neoplastic, bacterial, viral, and anti-inflammatory disorders using tyloindicines including the novel tyloindicine analogues of the instant invention. The invention also provides novel syntheses of tyloindicines including the novel tyloindicines analogues of the instant invention.

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